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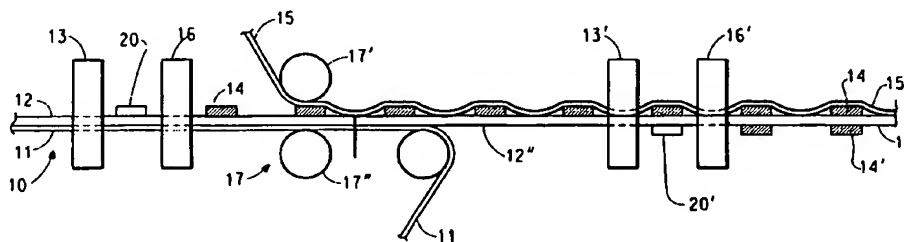
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(54) Title: PRODUCTION OF CATALYST COATED MEMBRANES



(57) Abstract: A process for manufacturing a catalyst coated membrane is provided by applying at least one electrocatalyst coating composition to an element comprising a polymer membrane having a first and a second surface, and a first dimensionally stable temporary substrate, wherein the coating composition is applied to at least portions of the first surface of the polymer membrane; drying the electrocatalyst coating composition to form at least one first electrode on the polymer membrane of the element; applying a second dimensionally stable temporary substrate to the at least one first electrode; removing the first dimensionally stable temporary substrate from the polymer membrane; applying at least one electrocatalyst coating composition to at least a portion of the second surface of the polymer membrane; and drying the electrocatalyst coating composition on the polymer membrane to form a sandwich comprising the at least one second electrode, the polymer membrane, the at least one first electrode and the second dimensionally stable temporary substrate. The second dimensionally stable temporary substrate may then be removed to form a catalyst coated membrane having the polymer membrane sandwiched between the first and second electrodes.